Hydronic Kits
Accessories

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Standard Accessories for Hydronic kits HPT and HP

Accessories for HPT kit

Code	Description	Price
838081000X	DIFFERENTIAL PRESSURE SWITCH	
838081104X	TIMER OPTION 48H*	
838080917X	ANTIVIBRATING FEET FOR HPT 300/500L	
838080936X	ANTIVIBRATING FEET FOR HPT 750/1000L	
838080938X	ANTIVIBRATING FEET FOR HPT 1500/2500L	



* WARNING If the system operates 24 hours a day, 7 days a week, the pump alternation is not guaranteed by the standard group. In this case, we recommend the use of this accessory

Compatible with HPT kit see pag. 128

Accessories for HP 2.0 kit

Code	Description	Price
838081000X	DIFFERENTIAL PRESSURE SWITCH	
838081104X	TIMER OPTION 48H*	
838081583X	MANOMETER KIT	
838080861X	ANTIVIBRATING FEET UP TO P18	
838081286X	ANTIVIBRATING FEET FOR P19, P20, P21	
838081187X	EXPANSION VESSEL 12L UP TO P18	
838081195X	EXPANSION VESSEL 25L UP TO P18	
838081480X	EXPANSION VESSEL 2x25L UP TO P18	
838081234X	EXPANSION VESSEL 2x25L FOR P19, P20, P21	



* WARNING If the system operates 24 hours a day, 7 days a week, the pump alternation is not guaranteed by the standard group. In this case, we recommend the use of this accessory

Compatible with HP kit see pag. 140

Transformation in flange connection for HP 2.0 kit

The codes and prices below are for single item.



Original connection Grooved (Victaulic)	Transformed connection UNI-EN PN 16	Code	Price
1"1/2	DN40	838081247X	
	DN50	838081248X	
2"	DN50	838081249X	
	DN65	838081250X	
2"1/2	DN65	838081251X	
	DN80	838081252X	
3"	DN80	838081253X	
	DN100	838081254X	
4"	DN100	838081255X	
	DN125	838081256X	

Compatible with HP kit see pag. 140

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Standard Accessories for Hydronic kits VKB

Galvanized Connections Adapters from threaded to flanged type



The codes and prices below are for single item.
The adapter must be screwed onto the existing connection.
The adapter is not welded on the ferrule, for special executions ask for a quote.

Original connection	Transformed connection uni-en pn 16	Code	Price
1"1/2	DN 40	838081200X	
	DN 50	838081201X	
2"	DN 50	838081202X	
	DN 65	838081203X	
2"1/2	DN 65	838081204X	
	DN 80	838081205X	
3"	DN 80	838081206X	
	DN 100	838081207X	
4"	DN 100	838081208X	
	DN 125	838081209X	



Galvanized Connection Transformation from threaded to Grooved (Victaulic)



The codes and prices below are for single item.
The adapter must be screwed onto the existing connection.
The adapter is not welded on the ferrule, for special executions ask for a quote.

Original connection	Transformed connection	Code	Price
1"1/2	1"1/2	838081211X	
	2"	838081212X	
2"	2"	838081213X	
	2"1/2	838081214X	
2"1/2	2"1/2	838081215X	
	3"	838081216X	
3"	3"	838081217X	
	4"	838081218X	
4"	4"	838081219X	
	5"	838081220X	

Electrical resistors for VKB 2.0 kit

IP 65 Protection



Power W	Voltage V	Element number	Connection Diameter inch	Length mm	Code	Price
1300	230/380	3	2"	220	C24100008	
2000	230/380	3	2"	290	C24100009	
3000	230/380	3	2"	340	C24100010	
4000	230/380	3	2"	390	C24100012	

Temperature controls for VKB 2.0 kit



Description	Temperature range	Safety range	Code	Price
Thermostat	0 ÷ 90 °C	-	C22010004	
Bithermostat	0 ÷ 90 °C	fix 100 °C	C22010006	
Antifreeze Bithermostat	-30 ÷ 30 °C	0 ÷ 90 °C	C22010007	

Compatible with VKB kit see pag. 146

Special versions for Hydronic kits

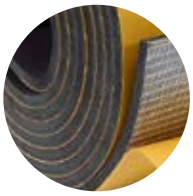
Special versions change the conformation of the products and hence the sales code will be different depending on the customisation required. Fiorini is able to provide any tailored solution quickly, providing the customer with the support they need to guide them to the solution that best suits their needs.
Here are some examples of special executions:



Antifreeze Kit
This specification is aimed at the operation of the machine in severe temperature conditions (from +4°C to -20 °C) avoiding the formation of ice especially during the starting and stopping phases of the machine. The resistors and the cable heating are activated via the fluid side bit-thermostat, while the heater is managed by the electrical panel, via a room thermostat, already included in the supply of the electrical panel.
The antifreeze kit is composed as follows:
• **For HPT from 100 to 1000 L**: 1.3kW electric resistance complete with antifreeze bit-thermostat (-35+35°C) wired to the electrical panel; heating cables wrapped around pipes, wired to the electrical panel; Heater in the electrical panel.
• **For HPT from 1500 to 2500 L**: 2x 1.3kW electric heaters complete with anti-freeze bit-thermostat (-35+35°C) wired to the electrical panel; heating cables wrapped around pipes, wired to the electrical panel; Heater in the electrical panel
• **For HP:** Heating cables wrapped around the pipes, wired to the electrical panel; anti-freeze bit-thermostat (-30+35°C); Heater in the electrical panel.



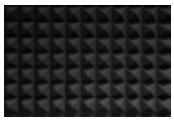
Stainless steel execution
In projects where the fluid temperature is between -11°C and -20°C, the hydronic kits are produced in a special configuration by replacing the standard hydraulic components with components suitable for working at low temperatures by exploiting the characteristics of the stainless steel material.
In particular, in cases of particularly severe fluid and ambient temperatures, the hydronic kit will be supplied as follows:
• Pipes and fittings in AISI304 stainless steel (HP and HPT);
• AISI304 stainless steel tank (HPT and VKB);
• Expansion tank(s) in AISI304 stainless steel
• AISI304 stainless steel valves



Increased insulation
This increased insulation compared to the standard allows the use of the kit in particularly harsh temperature conditions (from +4°C to -20°C), avoiding the formation of ice or condensation.
The majority insulation option includes:
• Double layer of anti-condensation insulation applied on the tank (for HPT and VKB);
• Double layer of anti-condensation insulation applied on the pipes and fittings (for HP and HPT);
• Insulation applied to each accessory included in the kit: expansion tanks, valves, vent, drain, brackets, tank feet;



Low temperature pump
In projects where the fluid temperature is between -11°C and -20°C, the standard pump is replaced with a special pump suitable for working in the aforementioned conditions.



Soundproof coating
Soundproofing is available and attenuates significantly the sound level of the machine.



Filter
Mesh filter, with 1000 micron holes, can be placed outside the unit to protect the pumps from any impurities in the equipment.



Balancing valves
Valve can be connected externally to balance the flow within the circuit.



Wooden box packing
Extra protective packing suitable for risky and long-distance transport.



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